

What is claimed is:

1. A fastener insertion device for inserting fasteners in a substrate or in the ground, the insertion device comprising a pneumatic actuator.
2. The device of claim 1, further comprising a manually operated
5 actuator.
3. The device of claim 1, further comprising a staple magazine configured to be removably attached to the device.
4. The device of claim 1, further comprising a stake magazine configured to be removably attached to the device.
- 10 5. The device of claim 4, wherein the stake magazine is configured to house stakes of different dimensions.
6. The device of claim 1, wherein the pneumatic actuator includes a charging chamber.
7. The device of claim 1, wherein the pneumatic actuator includes a
15 control apparatus.
8. The device of claim 7, wherein the control apparatus comprises two valves.
9. The device of claim 8, wherein both valves must be actuated in order to move a plunger in the pneumatic cylinder.
- 20 10. The device of claim 9, wherein compressed air biases the plunger in the uppermost position;
11. The device of claim 9, wherein a manually operated actuator comprises a spring for biasing the plunger in the uppermost position.
12. The device of claim 7, wherein the control apparatus is disposed
25 between the charging chamber and a pneumatic cylinder.
13. The device of claim 7, wherein the control apparatus controls whether compressed air is directed toward an upper portion of the pneumatic cylinder or a lower portion of the pneumatic cylinder.
14. A device for inserting a fastener into a substrate, the device comprising
30 a fastener holder configured to hold a plurality of fasteners,
a fastener pusher coupled for movement relative to the fastener holder, the fastener pusher being configured to engage an end of a fastener,

an actuator coupled to the fastener pusher, the actuator being configured to move the fastener pusher between an extended fastener-inserting position and a retracted position,

wherein the actuator comprises a pneumatically driven piston.

5 15. The device of claim 14, wherein the fastener holder is exchangeable with a second fastener holder.

 16. The device of claim 14, further comprising a second actuator, the second actuator including a handle and an operator-driven piston coupled to the handle.

10 17. The device of claim 14, further comprising a control apparatus for controlling the actuator, the control apparatus including a pneumatic valve.

 18. The device of claim 17, wherein the control apparatus includes two pneumatic valves.

 19. The device of claim 18, wherein the two pneumatic valves have a first
15 default position and a second position.

 20. The device of claim 19, wherein the actuator is actuated when the two pneumatic valves are in their second position.